



## Search Results Attached

Serial Number 10/625,156

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Total Pages of Results 16

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☒ Search only in: ☒ Chemistry and Materials Science  
☒ Medicine, Pharmacology, and Veterinary Science  
☐ Search in all subject areas.

The "AND" operator is unnecessary -- we include all search terms by default. [\[details\]](#)

**Scholar** All articles Recent articles Results 1 - 100 of about 163 for barrier and syringe and hydrogel and (swell OR swells OR swelling OR sw

All Results

R Bawa

N Peppas

D Moro

P Kuzma

H Quandt

**Blood gas syringe having improved blood barrier - group of 3 »**

RR Cohen, P Keusch - US Patent 6,648,836, 2003 - Google Patents

... view of the porous plug of the BLOOD BARRIER invention; and ... Advantageously, the hydrogel in this state ... drawn into a fili/i-i prototype syringe through the ...

[Web Search](#)

**Rehydratable product and method of preparation thereof - group of 4 »**

LB Liyod, JE Beck, TJ Petelenz - US Patent 5,328,455, 1994 - Google Patents

... However, such barriers or membranes also inhibit wetting of the ... a hypodermic needle or syringe tube may ... HCDH" for highly crosslinked dry hydrogel) swells to a ...

[Cited by 13](#) - [Related Articles](#) - [Web Search](#)

**Microfluidic tectonics: A comprehensive construction platform for microfluidic systems - group of 9 »**

DJ Beebe, JS Moore, Q Yu, RH Liu, ML Kraft, BH Jo, ... - Proceedings of the National Academy of Sciences, 2000 - National Acad Sciences

... steady laminar flows are established by using syringe pumps, the ... the hydrogel to swell) and the hydrogel diameter is ... of the fatty acid layer as an ion barrier. ...

[Cited by 65](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

**Electrokinetic concentration enrichment within a microfluidic device using a hydrogel microplug - group of 2 »**

R Dhopeswarkar, L Sun, RM Crooks - Lab Chip, 2005 - rsc.org

... The syringe pump was disconnected after ensuring that ... anionic hydrogel imposes two additional barriers to penetration ... are undetectable in the hydrogel interior ...

[Cited by 2](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

**Wound dressing with sustained anti-microbial capability - group of 3 »**

WK Loke, SK Lau, LL Yong, E Khor, CK Sum - Journal of Biomedical Materials Research, 2000 - doi.wiley.com

... was obtained via a heparinized syringe from an ... as serving as a mechanical and microbial barrier. ... Chitin Films Sample Chitin Film Carboxymethyl-Chitin Hydrogel ...

[Cited by 35](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

**Biodegradable hydrogel matrices for the controlled release of pharmacologically active agents - group of 4 »**

J Feijen - US Patent 4,925,677, 1990 - Google Patents

... surface will form an extra "barrier" for positively ... EXAMPLE 2 10 occurs until the hydrogel is mechanically ... dropwise with a syringe, and the mixture was stirred ...

[Cited by 20](#) - [Related Articles](#) - [Web Search](#)

**Manufacture of water-swellaable hydrophilic articles and drug delivery devices - group of 2 »**

DG Moro, P Kuzma, H Quandt - US Patent 5,292,515, 1994 - Google Patents

... Sterilized kits containing a disposable needle/syringe or trocar ... been used as rate-limiting barriers for such de- ... articles, formed of xerogel or hydrogel, of 60 ...

[Cited by 19](#) - [Related Articles](#) - [Web Search](#)

**Microgel, nanogel and hydrogel-hydrogel semi-IPN composites for biomedical applications: synthesis ... - group of 2 »**

N Sahiner, WT Godbey, GL McPherson, VT John - Colloid & Polymer Science, 2006 - Springer

... the sample with 0.2-µm syringe filter ... the crossing of the blood brain barrier (BBB) of ... These materials, including semi-IPN hydrogel-hydrogel composites, have ...

[Related Articles](#) - [Web Search](#)

**Fabrication of Hyaluronic Acid Hydrogel Beads for Cell Encapsulation - group of 7 »**

KH Bae, JJ Yoon, TG Park - tissue engineering - bama.kaist.ac.kr

... containing calcium ions through a syringe needle. ... of the HA/PLL complex barrier structure in ... HA hydrogel beads prepared from different formulation conditions ...

[Cited by 2](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

### PROTRACTED ACTIVITY ORAL HYDROGEL BEAD BEST AVAILABLE COPY

K Kliment - US Patent 3,689,634 - Google Patents

... teristic, forms a **barrier** through which the biologically ... This allows the **hydrogel** to be refilled, or ... implanted and refilled, by hypodermic **syringe** in situ ...

Cited by 8 - [Related Articles](#) - [Web Search](#)

### Fragmented polymeric compositions and methods for their use - group of 6 »

DG Wallace, CJ Reich, NS Shargill, F Vega, AE ... - US Patent 6,066,325, 2000 - Google Patents

... be protected from cellular or enzyme degradation by a protective **barrier** or cover. ... **syringe** or other applicator prior to mechanical disruption. **hydrogel**. ...

Cited by 9 - [Related Articles](#) - [Web Search](#)

### Photopolymerization of bovine hemoglobin entrapped nanoscale **hydrogel** particles within liposomal ... - group of 5 »

JN Patton, AF Palmer - Biomacromolecules, 2005 - pubs.acs.org

... and since there is no distinct cellular **barrier** around NHPs ... using the optimal composition of **hydrogel** forming species ... A 1 mL gastight **syringe** was placed in one ...

Cited by 6 - [Related Articles](#) - [Web Search](#)

### Preparation of homogeneous **hydrogel** copolymers - group of 2 »

P Kuzma, DG Moro, H Quandt - US Patent 5,266,325, 1993 - Google Patents

... a trocar or hypodermic needle/**syringe** and the ... have been used as rate-limiting **barriers** for such de ... of crosslinking agent would render the **hydrogel** somewhat more ...

Cited by 11 - [Related Articles](#) - [Web Search](#)

### NON-HORMONAL VAGINAL CONTRACEPTIVE

S LERNER, BB SAXENA, M SINGH - EP Patent 1,313,422, 2003 - freepatentsonline.com

... structure to form an impenetrable **barrier** for sperm. ... is preserved in the original tuberculin **syringe** and covered ... onset of swelling of the **hydrogel** core during ...

Cached - [Web Search](#)

### TREATMENT FOR HIGH PRESSURE BLEEDING

G WNEK, ME CARR JR, IK COHEN, G BOWLIN, KR WARD, W ... - EP Patent 1,318,778, 2003 - freepatentsonline.com

... or electrospinning system comprises a **syringe** pump 100 ... elastic, provides stiffness as the **hydrogel** inside swells ... and respectively act as a **barrier** to leaking ...

Cached - [Web Search](#)

### Methods of using in situ hydration of **hydrogel** articles for sealing or augmentation of tissue or ... - group of 4 »

AS Sawhney - US Patent 6,605,294, 2003 - Google Patents

... eg, the other component in the **syringe** may comprise ... et al., "Bioabsorb- able **Hydrogel** Tissue **Barrier**: In Situ ... Upon completion of a biopsy, the **hydrogel** plug is ...

Cited by 3 - [Related Articles](#) - [Web Search](#)

### Oral insulin delivery using P (MAA-g-EG) hydrogels: effects of network morphology on insulin ... - group of 5 »

K Nakamura, RJ Murray, JI Joseph, NA Peppas, M ... - J. Control. Release, 2004 - che.utexas.edu

... that all of the ILP was delivered, the **syringe** was twice ... 3. **Hydrogel** mesh size as a function of pH at 37 jC ... in the stomach is one of the main **barriers** for the ...

Cited by 11 - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

### Perspectives on: Chitosan Drug Delivery Systems Based on their Geometries - group of 3 »

EB Denkbass, RM Ottenbrite - Journal of Bioactive and Compatible Polymers, 2006 - jbc.sagepub.com

... sponge, rod, drug delivery, drug carrier, chitosan **hydrogel**. ... of small droplets via a **syringe** into an ... with the underlying mucosal epithelial **barrier** (to enhance ...

Cited by 2 - [Related Articles](#) - [Web Search](#)

### Method of forming a membrane especially a latex or polymer membrane including multiple discrete ... - group of 4 »

RRT Shlenker, DJ Lester, CC Solomons, SS ... - US Patent 5,965,276, 1999 - Google Patents

... S. Plamthottam, Upland, Calif. [73] Assignee: BIO **Barrier**, Inc., Los Angeles, Calif. [21] F771 [63] [51] [52] Notice: This patent ...

Cited by 17 - [Related Articles](#) - [Web Search](#)

### Composite Hydrogels for Sustained Release of Therapeutic Agents

X Liu, K Nakamura, AM Lowman - Soft Materials, 2003 - Taylor & Francis

... press-coated hydrophilic and/or hydro- phobic **barrier** layers, and ... by using a **syringe** adapted with **syringe** filter with ... Chemical Analysis of **Hydrogel** Composite ...

Cited by 1 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

### **Hydrogel**-forming, self-solvating absorbable polyester copolymers, and methods for use thereof - group of 5 »

SW Shalaby - US Patent 6,413,539, 2002 - Google Patents

... water), undergo rapid **swelling** without discernible ... The dissipation of solvent creates **pores** within the ... of Component A; (c) providing a **hydrogel barrier** with or ...  
[Cited by 20 - Related Articles - Web Search](#)

**Porous hydrophilic materials, chambers therefrom, and devices comprising such chambers and ... - group of 2 »**  
SH Ronel, MJ D'Andrea, WH Dobelle, GF Klomp, H ... - US Patent 4,298,002, 1981 - Google Patents  
... **SYRINGE NEEDLE** ... Permeation Through Polymer Membranes II: Diffusion Studies On **Hydrogel**  
Membranes. ... In these devices the mem- brane thickness (**barrier**) is governed ...  
[Cited by 48 - Related Articles - Web Search](#)

**Azlactone-functional hydrophilic coatings and hydrogels - group of 3 »**  
LC Haddad, JI Hembre, JK Rasmussen, D Sarpong - US Patent 6,794,458, 2004 - Google Patents  
... alkyl substituent provides a greater **barrier** to reaction ... **TABLE 1 Hydrogel Formation**  
Diluent ED Gel Time ... crosslinker), and were applied by **syringe** into channels ...  
[Cited by 1 - Related Articles - Web Search](#)

**Compositions and devices for controlled release of active ingredients - group of 5 »**  
CD Batich, MS Cohen, K Foster, W Toreki III - US Patent 6,306,422, 2001 - Google Patents  
... polymers which absorb water and **swell** in aqueous ... from dissolving, and the polymer  
**swells** (Tarcha, 1991 ... al., 1986) Upon **swelling**, the **hydrogel's** coefficient of ...  
[Cited by 3 - Related Articles - Web Search](#)

**Hydrogel-Based Colloidal Polymeric System for Protein and Drug Delivery: Physical and Chemical ... - group of 2 »**  
A Prokop, E Kozlov, G Carlesso, JM Davidson - Adv. Polymer Sci, 2001 - Springer  
... Release from Hydrogels Possessing Ionizable and Pendant Groups – **Swelling** . . . .  
**Hydrogel-Based Colloidal Polymeric System for Protein and Drug** ... 5 ml **syringe** ...  
[Cited by 6 - Related Articles - Web Search - BL Direct](#)

**METHOD OF FORMING A MEMBRANE, ESPECIALLY A LATEX OR POLYMER MEMBRANE, INCLUDING MULTIPLE DISCRETE ...**  
RRT BECK, DJ LESTER, CC SOLOMONS, SS PLAMTHOTTAM - EP Patent 1,235,673, 2002 - freepatentsonline.com  
... Assignee: **BIO BARRIER INC (US)**. ... allows penetration by the needle or **syringe** upon  
entering and ... zinc stearates and other stearates, **hydrogel** compositions, powders ...  
[Cached - Web Search](#)

**HYDROGEL FILMS AND METHODS OF MAKING AND USING THEREFOR**  
YI LUO, GD PRESTWICH, KR KIRKER - EP Patent 1,305,355, 2003 - freepatentsonline.com  
... **hydrogel** film can also function as a **barrier** system for ... can also be via a cannula,  
catheter, **syringe** with or ... The **hydrogel** film may be applied onto a tissue in ...  
[Cached - Web Search](#)

**Bioresorbable sealants for porous vascular grafts - group of 2 »**  
DJ Lentz, GL Loomis, A Moroni, J DePreker... - US Patent 5,851,229, 1998 - Google Patents  
... and imparts a substantially liquid-tight **barrier** between the ... of this invention,  
"hydrogel" and "hydrogel matrix" both ... to a polymeric material that **swells** in 20 ...  
[Cited by 9 - Related Articles - Web Search](#)

**[CITATION] Method of forming a membrane, especially a latex or polymer membrane**  
SS Plamthottam, CC Solomons, DJ Lester, RRT ... - US Patent 5,679,399, 1997  
[Related Articles - Web Search](#)

**Film barrier dressing for intravascular tissue monitoring system - group of 2 »**  
K Jersey-Willuhn, M Soleimani - US Patent 6,980,852, 2005 - Google Patents  
... **FILM BARRIER DRESSING FOR INTRAVASCULAR TISSUE MONITORING SYSTEM** ... a patient in  
intravenous therapy include venous inflam -mation and phlebitis, **swelling** at the ...  
[Related Articles - Web Search](#)

**Strategy for Cell Therapy: Polymers for Live Cell Encapsulation and Delivery - group of 2 »**  
S Prakash, H Soe-Lin - Trends Biomater. Artif. Organs, 2004 - medind.nic.in  
... into hollow fibres via a **syringe** (24), were ... the mechanical stability of a **hydrogel**  
already established ... of CS provides a mechanically stable **barrier** while the ...  
[Cited by 3 - Related Articles - View as HTML - Web Search](#)

**Molecular design and in vitro studies of novel pH-sensitive hydrogels for the oral delivery of ... - group of 7 »**  
M Torres-Lugo, NA Peppas - Macromolecules, 1999 - che.utexas.edu  
... was withdrawn from the beaker using a **syringe** and the ... of solute on the surface of  
the **hydrogel**. ... The tethered PEG chains present additional **barriers** for this ...  
[Cited by 57 - Related Articles - View as HTML - Web Search - BL Direct](#)

Polyalkylene glycol viscosity-enhancing polymeric formulations - group of 4 »  
LZ Avila, PK Jarrett, HM Kramer, CM Philbrook - US Patent 7,074,424, 2006 - Google Patents  
... topolymerization) or heat, can be used to form the **hydrogel**. ... lower macromer concentration, the resulting gels **swell** less. ... which acts as a local **barrier** or drug ...  
[Related Articles](#) - [Web Search](#)

Drug delivery systems: 3B. Role of polymers in drug delivery - group of 6 »  
VV Ranade - The Journal of Clinical Pharmacology, 1990 - jcp.sagepub.com  
Page 1. DRUG DELIVERY SYSTEMS J Clin Pharmacol 1990;30:107-120 107 Drug Delivery Systems: 3B. Role of Polymers in Drug Delivery Vasant V. Ranade, PhD ...  
[Cited by 14](#) - [Related Articles](#) - [Web Search](#)

Intravenous delivery system  
T MINER, P HARTL, A CHRISTOPH - EP Patent 1,559,442, 2005 - freepatentsonline.com  
... end vent plug 74 forms a **barrier** to prevent ... Once the granular **hydrogel** fully expands, it seals off the ... material outer layer will expand or **swell** to create a ...  
[Cached](#) - [Web Search](#)

Use of skin penetration enhancers and barrier disruption agents to enhance transcutaneous immune ... - group of 2 »  
GM GLENN, CB ALVING - EP Patent 1,356,821, 2003 - freepatentsonline.com  
... dressing, a nonocclusive dressing, a **hydrogel** dressing and ... of a plastic container having a **syringe** plunger at ... similar drugs interfere with **barrier** function and ...  
[Cached](#) - [Web Search](#)

Immunoisolation techniques for islet cell transplantation - group of 5 »  
EC Opara, WF Kendall Jr - Expert Opin. Biol. Ther, 2002 - ingentaconnect.com  
... engineered chondrocytes, polyacrylates and AN69 **hydrogel** [26-30 ... especially when the air-jet **syringe** pump droplet ... capsule with an immune **barrier** (semi-permeable ...  
[Cited by 9](#) - [Related Articles](#) - [Web Search](#)

Osmotic devices having vapor-permeable coatings - group of 2 »  
EL Cussler, SM Herbig, KL Smith, P van Eikeren - US Patent 5,827,538, 1998 - Google Patents  
... are used in gas-transport/liquid-**barrier** applications ... large capacity to absorb water and **swell**, its availability ... The **hydrogel** employed can be a blend of, for ...  
[Cited by 3](#) - [Related Articles](#) - [Web Search](#)

Evaluation of Alginate Microcapsules for Use in Transplantation Of Islets of Langerhans - group of 3 »  
A KING - Transplantation - diva-portal.org  
... One such **hydrogel** is agarose, but there is little information about the physical properties of ... Formation of immunoprotective **barrier** Poly-L-Lysine ... **Syringe** pump ...  
[Cited by 1](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [Library Search](#) - [BL Direct](#)

Chitin hydrogels, methods of their production and use - group of 3 »  
WN Drohan, MJ MacPhee, SI Miekka, MS Singh, C ... - US Patent 6,124,273, 2000 - Google Patents  
... Further provided are biomaterials comprising same. The particular supplement delivered by the chitin **hydrogel** is selected as a function of its intended use. ...  
[Cited by 6](#) - [Related Articles](#) - [Web Search](#)

Responsive Biomaterial Surfaces  
X Wang - lib.ncsu.edu  
... of the **pores** and the transport of insulin ... membrane; (2) membrane **pore**; (3) surface free radical; (4 ... the pH of the medium, leading to increased **hydrogel swelling** ...  
[Cited by 1](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

Controlling resorption of bioresorbable medical implant material - group of 3 »  
J Li, S Baldwin, T Harrah - US Patent 6,913,765, 2005 - Google Patents  
... Therefore, by embedding resorbable particles that **swell** or move ... A device may be in its **hydrogel** form or in a ... may be used as anti-adhesion **barrier** to isolate ...  
[Related Articles](#) - [Web Search](#)

Mucosal insulin delivery systems based on complexation polymer hydrogels: effect of particle size on ... - group of 5 »  
M Morishita, T Goto, NA Peppas, JI Joseph, MC ... - J. Control. Release, 2004 - pages.drexel.edu  
... of polymers have promising properties to overcome absorption **barriers** of peptide ...  
**Hydrogel** synthesis ... fashion consisting of coating of the **syringe** wall through ...  
[Cited by 10](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

New technologies in diabetes care  
P Releases, CME Calendar, RY Practice, P ... - mediwire.sma.org

President's Welcome. Mission/Vision. Leadership. Special Service Awards. Press Releases.  
FAQ. Southern Medical Journal. CME Calendar. CME Online Library. ...  
[Related Articles](#) - [Cached](#) - [Web Search](#)

Biocompatible devices with foam scaffolds - group of 5 »

R Li, TF Hazlett... - US Patent 6,054,142, 2000 - Google Patents  
... copolymer, or a hydrophilic matrix such as a **hydrogel**. ... immunoisulatory device provides  
a protective **barrier** between these ... The **pore size**, **pore density** and void ...  
[Cited by 7](#) - [Related Articles](#) - [Web Search](#)

Stable small particle liposome preparations, their production and use in topical cosmetic, and ... - group of 2 »

M Edgar, C Michel, T Purmann - US Patent 5,498,420, 1996 - Google Patents  
... An increase in vesicle size always implies an increase of the number of  
membrane-forming molecules per vesicle (because a liposome cannot **swell**). ...  
[Cited by 11](#) - [Related Articles](#) - [Web Search](#)

Implantable tissue repair device

BAO QI-BIN, AY HANSEN - EP Patent 1,462,128, 2004 - freepatentsonline.com  
... 5,047,055, which teaches a **swellable hydrogel** prosthetic nucleus. ... forming an even  
wider wall or **barrier** which affords ... be in the form of a **syringe**-like structure ...  
[Cached](#) - [Web Search](#)

BIOCOMPATIBLE FLEECE FOR HEMOSTASIS AND TISSUE ENGINEERING

HM KRAMER, LA AVILA, CM PHILBROOK, MJ BASSETT, E ... - EP Patent 1,361,906, 2003 - freepatentsonline.com  
... components resulting in degradation of the **hydrogel** in vivo ... in the Examples.) **ADHESIVE**  
**AND BARRIER**: Because it ... prepared by utilizing a dual **syringe** system (1.0 ...  
[Cached](#) - [Web Search](#)

Restorative surgery of the central nervous system by means of tissue engineering using NeuroGel ... - group of 4 »

S Woerly - Neurosurgical Review, 2000 - Springer  
... we developed Neuro- Gel, a biocompatible **hydrogel** of poly(N ... 1). The **swelling** behaviour  
of this polymer when in ... The **pore** architecture forms a tortuous network of ...  
[Cited by 25](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Chitosan/polyethylene glycol-alginate microcapsules for oral delivery of hirudin - group of 2 »

T Chandy, DL Mooradian, GHR Rao - Journal of Applied Polymer Science, 1998 - doi.wiley.com  
... on the modulation of the physiological **barriers** and subsequently ... 0.15-mm diameter),  
from a plastic **syringe** in a ... Chitosan, a **hydrogel** based on a natural poly ...  
[Cited by 27](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Hydrophilic absorbents - group of 4 »

DD Levy, SH Ronel - US Patent 4,081,402, 1978 - Google Patents  
... antigen sepa -ration and analysis by: Providing a **barrier** to prevent ... thereby reaching  
its final dimensions, (iv) water **swell**- 15 ... throughout the **hydrogel** matrix ...  
[Cited by 14](#) - [Related Articles](#) - [Web Search](#)

Immobilized buffered gels and membranes of hydroxy groups containing polymers - group of 10 »

C Linder, M Nemas, M Perry, R Ketraro - US Patent 5,430,099, 1995 - Google Patents  
... **Pore**-foraging agents (eg leachable polymers, cosolvents) may be used ... may also be used  
with **hydrogel** mono -mers ... together can form water-insoluble, but **swelling**, ...  
[Related Articles](#) - [Web Search](#)

Reduction in the Initial-Burst Release by Surface Crosslinking of PLGA Microparticles Containing ... - group of 4 »

AJ Thote, JT Chappell, R Kumar, RB Gupta - Drug Development and Industrial Pharmacy, 2005 - Taylor & Francis  
... **hydrogel**, which acts as a diffusional **barrier** for the ... create noncovalent interactions  
between the **hydrogel** and the ... taken in a **syringe** pump and pressurized to ...  
[Cited by 2](#) - [Related Articles](#) - [Web Search](#)

Nano and microparticles as controlled drug delivery devices - group of 7 »

M Kumar - J. Pharm. Sci, 2000 - collection.nlc-bnc.ca  
... 7.4) from a 20 ml plastipack **syringe** through a ... and the residence time of the **hydrogel**,  
therefore, sets ... layers on the microspheres were effective **barriers** to 5 ...  
[Cited by 62](#) - [Related Articles](#) - [Cached](#) - [Web Search](#)

Histologic evaluation of the inflammatory response around implanted hollow fiber membranes - group of 4 »

H Clark, TA Barbari, K Stump, G Rao - Journal of Biomedical Materials Research, 2000 - doi.wiley.com  
... mem- branes have been used as **barrier** materials for ... 175-200 g rats by **syringe** injection,  
using ... Owing to **swelling** of the regenerated cellulose membrane in vivo ...

[Cited by 7](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Ultraviolet light-induced modification of crosslinked hyaluronan gels - group of 3 »

A Ramamurthi, I Vesely - Mater Res, 2003 - doi.wiley.com

... and more highly crosslinked varieties are used as **barriers** to reduce ... **Hydrogel** preparation ... The HA solution was immediately trans-ferred using a **syringe** to 100 ...

[Cited by 7](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

FILTER FOR REMOVING WATER AND/OR SURFACTANTS FROM A LIPOPHILIC FLUID

DE BURTON, AV RADOMYSELSKI, PARG FRANCE - EP Patent 1,425,093, 2004 - freepatentsonline.com

... HP 7673 Autosampler, 10 ul **syringe**, lul injection ... with the osmotic absorbent (eg , **hydrogel**- forming absorbent ... de-watering media 40 forms a **barrier** between the ...

[Cached](#) - [Web Search](#)

Hydrogels based on poly (vinyl alcohol-co-acrylic acid) as an innovative system for controlled drug ...

N Barbani, F Tricoli, C Cristallini, F Bertoni, F ... - Journal of Applied Biomaterials & Biomechanics, 2004 - jabb.biz

... and Wd is the weight of the dried **hydrogel**. ... Figure 1 - Temporal dependence of hydrogels **swelling** at different pH ... inert at- mosphere and with **barrier** packaging (2 ...

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Controlled release by extrusion of solid amorphous dispersions of drugs - group of 2 »

LE Appel, WJ Curatolo, SM Herbig, JAS Nightingale, ... - US Patent 6,706,283, 2004 - Google Patents

... a passageway in the semipermeable wall by **swell**-ing of ... ofdrug in a **swellable** polyoxamer **hydrogel** that releases ... that either passes a 0.45 /an **syringe** filter or ...

[Related Articles](#) - [Web Search](#)

Evaluation of Novel Cross-linking Agents for Gelatin/Collagen Matrices

BJ Schuler - 2004 - kitkat.wvu.edu

... The main limitations of gelatin are its extensive **swelling**, rapid dissolution and drug release. ... T ABLE 2. C OMPARISON OF THE VARIABILITY OF **SWELLING** PROFILES ...

[Related Articles](#) - [View as HTML](#) - [Web Search](#)

Device comprising means for protecting and dispensing fluid sensitive medicament

US Patent 4,855,141, 1989 - freepatentsonline.com

... driving member made of a **hydrogel**, and which **hydrogel** can continuously ... means 19, which is a fluid **barrier**, can be ... Then a 10 cc glass **syringe** is filled with the ...

[Cited by 27](#) - [Related Articles](#) - [Cached](#) - [Web Search](#)

Application of Micro-and Nano-Electromechanical Devices to Drug Delivery - group of 6 »

M Staples, K Daniel, MJ Cima, R Langer - Pharmaceutical Research, 2006 - Springer

... system consisting of a glass **syringe** barrel and a ... through a conducting polymer that contacts a **swellable hydrogel**. ... delivery if the reservoir **barrier** includes a ...

[Related Articles](#) - [Web Search](#) - [BL Direct](#)

In vitro release behavior and stability of insulin in complexation hydrogels as oral drug delivery ... - group of 6 »

B Kim, NA Peppas - Int J Pharm, 2003 - che.utexas.edu

... from the solution with a **syringe** (Morishita et al ... PEG-containing **hydrogel** microparticles for oral protein ... Penetration and enzymatic **barriers** to peptide and ...

[Cited by 7](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

The Relationship between Contact Lens Oxygen Permeability and Binding of Pseudomonas aeruginosato ... - group of 4 »

DH Ren, WM Petroll, JV Jester, J Ho-Fan, HD ... - the CLAO journal, 1999 - bausch.com.br

... Allergan, Inc.) is formu- lated for **hydrogel** lenses ... After removal from the **syringe** holder, the membrane was ... 490 nm excitation filter, 520 nm **barrier** filter) was ...

[Cited by 79](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

NITRIC OXIDE-PRODUCING HYDROGEL MATERIALS

JL HILL-WEST, KS MASTERS - EP Patent 1,315,476, 2003 - freepatentsonline.com

... in situ to serve as biodegradable **barriers**, as carriers ... filtered through 0.2µm **syringe** filters (Gelman ... All three **hydrogel** NO donors significantly inhibited SMC ...

[Cached](#) - [Web Search](#)

DEVICE FOR REGENERATION OF ARTICULAR CARTILAGE AND OTHER TISSUE

JH BREKKE, G BRADICA, SM GOLDMAN - EP Patent 1,416,977, 2004 - freepatentsonline.com

... carbonate copolymers (PGA/TMC) **Hydrogel** Lactide/tetramethylglycolide ... However, the hydrophobic **barrier** as may be ... out by a microliter **syringe** which generally ...

[Cached](#) - [Web Search](#)

Capillary mechanisms in membrane emulsification: oil-in-water emulsions stabilized by Tween 20 and ... - group of 4 »

NC Christov, DN Ganchev, ND Vassileva, ND Denkov, ... - Colloids Surf. A, 2002 - Icp.uni-sofia.bg

... Milk proteins; Kinetic **barrier** to adsorption ... monodisperse colloidal particles:

silica-**hydrogel** and polymer ... cyclic dimpling [53] and osmotic **swelling** [54], have ...

Cited by 16 - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

Delivery of LMW Heparin via Surface Coated Chitosan/peg-Alginate Microspheres Prevents Thrombosis - group of 3 »

T Chandy - Drug Delivery, 2002 - Taylor & Francis

... on the modulation of the physiological **barriers** and subsequently ... 10 ml/h, from a

plas- tic **syringe** in a ... Chitosan, a **hydrogel** based on a natural polysaccharide ...

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JB Eckenhoff, JA Magruder, R Cortese, JR Peery, JC ... - US Patent 4,996,060, 1991 - Google Patents

... and an expandable driving member made of a **hydrogel**, 40 and which **hydrogel** can

continuously ... The film is used as a **barrier** between a fluid source and a container ...

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ML Bruschi, O de Freitas - Drug Development and Industrial Pharmacy, 2005 - Taylor & Francis

... membrane acts as the major transport **barrier** for hydrophilic ... be able to meet these

requirements and **swell** to a ... system, an ideal oral film can present **swelling**. ...

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Y Nakayama, T Matsuda - Journal of Biomedical Materials Research, 1999 - doi.wiley.com

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of **swelling** when compared ... gelatin and PEGDA produced less **swellable** gels at ...

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PN Mohanna, RC Young, M Wiberg, G Terenghi - Journal of Anatomy, 2003 - Blackwell Synergy

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... of moist environment and autolytic debridement **Barrier** function (eg ... In dry wounds,

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A Constancis, R Meyrueix - US Patent 6,790,438, 2004 - Google Patents

... such that the means conserves its **barrier** effect function ... to modulate the properties

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T Baumgart, A Offenhausser - Biophysical Journal, 2002 - Biophysical Soc

... The solutions were filtered through **syringe** filters (Millex, Millipore ... 470-490, Olympus)

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Modified Electrodes for Amperometric Determination of Glucose and Glutamate Using Mediated Electron ...



M Brian, L Gary - scholar.lib.vt.edu  
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Page 1. United States Patent Edman et al. (54) ELECTRONIC SYSTEMS AND COMPONENT DEVICES FOR MACROSCOPIC AND MICROSCOPIC MOLECULAR ...

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Biofilms: Survival Mechanisms of Clinically Relevant Microorganisms - group of 7 »

RM Donlan, JW Costerton - Clinical Microbiology Reviews, 2002 - Am Soc Microbiol

... microbial aggregates and floccules and adherent populations within **pore** spaces of ... substances constituting this matrix present a diffusional **barrier** for these ...

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Medical devices fabricated from homopolymers and copolymers having recurring carbonate units - group of 7 »

RT Tang, F Mares, WJ Boyle Jr, TH Chiu, KM Patel - US Patent 4,920,203, 1990 - Google Patents

... co P o 'y mere where <sup>^^</sup> B W<sup>o</sup> ck <sup>TMA</sup> or woven Dacron fibers with open **pores** in the fabric trimethylene carbonate) or a random copolymer of ...

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ETHER DERIVATIVES USEFUL AS INHIBITORS OF PDE4 ISOZYMES

RJ CHAMBERS, TV MAGEE, A MARFAT - EP Patent 1,373,258, 2004 - freepatentsonline.com

Patent Number: Advanced Search. Site Contents. Search Patents Use our search engine to find what you need. Data and Analytical Services Complete custom solutions ...

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Homopolymers and copolymers having recurring carbonate units - group of 2 »

RTH Tang, F Mares, WJ Boyle Jr, TH Chiu, K Patel - US Patent 5,145,945, 1992 - Google Patents

... or woven Dacron fibers with open **pores** in the ... **porosity**, whether the fiber is solid or hollow and sur ... diame -ters of the nerve channel, die **swell**, extrusion rates ...

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VS Trubetsky, JE Hagstrom, VG Budker, JA Wolff, ... - US Patent 6,919,091, 2005 - Google Patents  
... intralymphatic injections that use a **syringe** and a ... polypaptides 55 inside pH-sensitive **hydrogel** matrix (copolymers ... holes in the endothelial barrier) occur in ...  
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Fundamental phenomenological description and experimental optimization of gel-stabilized ... - group of 4 »  
L für Biotechnologie, IW Hartmeier - darwin.bth.rwth-aachen.de  
... 62 4.2.6 Explanation of the water drop by alginic acid **hydrogel** formation. 64 ...  
immobilization support (ie its **pore** size) appears to be important. ...  
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Biomaterial for in situ tissue repair - group of 2 »  
JC Felt, MA Rydell, RJ Zdrahala, A Arsenyev... - US Patent 6,140,452, 2000 - Google Patents  
... conformable, resorbable **hydrogel barrier** for preventing ... Joint repair and replace-  
formation of the **hydrogel barrier** in situ by photopolymer- ...  
[Cited by 7](#) - [Related Articles](#) - [Web Search](#)

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... Dacron fibers with 65 open **pores** in the ... such as number or lobes, **porosity**, whether  
the ... and outer diameters of the nerve channel, die swell, extrusion rates and ...  
[Cited by 9](#) - [Related Articles](#) - [Web Search](#)

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JC Felt, MA Rydell, RJ Zdrahala, A Arsenyev... - US Patent 6,306,177, 2001 - Google Patents  
... The Hill-West et al. article, in turn, describes the use of a conformable, resorbable  
**hydrogel barrier** for preventing postoperative adhesions in animals. ...  
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The Development of a Sustained and Controlled Release Device for Pharmaceutical Proteins based on ... - group of 2 »  
S Mohl - 2004 - deposit.ddb.de  
... coupling to carriers like vitamin B 12 - , one major technical challenge for the  
pharmaceutical scientist still is to overcome the enzymatic barrier of the ...  
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... injections 30 that use a **syringe** and a needle ... sensitive polypaptides inside pH-sensitive  
**hydrogel** matrix (copolymers ... holes in the endothelial barrier) occur in ...  
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EP Patent 1,230,902, 2002 - freepatentsonline.com  
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Skin grafts and skin substitutes  
PL Kelton Jr - Readings Plast Surg, 1999 - www.scf.usc.edu  
... bed from further trauma, but also provides an important **barrier** to infection. ... Three  
cellular processes may explain this thickening: 1) **swelling** of the nuclei ...  
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DW Schoendorfer - US Patent 5,817,012, 1998 - Google Patents  
... This layer serves to protect the filter 16 against physical damage such as abrasion,  
and can also serve as a **barrier** for preventing chemical contamination of ...  
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4th Annual Meeting of the Spine Society of Europe, September 11-14, 2002, Nantes, France - group of 2 »  
FESOF SCOLIOSIS - European Spine Journal, 2002 - Springer  
... A **syringe** containing heparin was used to collect 2-3 ml of samples. The



bone marrow samples were placed in culture for 15 days. ...  
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[MICROPATTERNING AND MICROELECTROCHEMICAL CHARACTERISATION OF BIOLOGICAL RECOGNITION ELEMENTS](#) - group of 3 »

D der Naturwissenschaften, EF Turcu - deposit.ddb.de

... steps involved in the photolithographic processes are: wafer cleaning, **barrier** layer formation, photoresist application, soft baking ...

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[Methods and devices for the treatment of ocular conditions](#) - group of 2 »

E deJuan, SE Varner, LR Lawin - 2006 - freepatentsonline.com

... drugs can penetrate this blood ocular **barrier** in relatively ... injection mechanism (for example, a **syringe**) can be ... body can provide a particular **porosity** to the ...

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WL HUNTER - 2002 - freepatentsonline.com

... are utilizing adhesion prevention **barriers**, a number ... 823; Hoffman et al., "Characterizing **Pore** Sizes and ... Yu and Grainger, "Thermo-sensitive **Swelling** Behavior in ...

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WL Hunter - US Patent 6,689,803, 2004 - freepatentsonline.com

... assembly promoting protein (taxol-like protein, TALP), cell **swelling** induced by ... gel, spray, foam, mousse, coating, wrap, paste, **barrier**, implant, microsphere ...

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[On platelet-rich plasma in reconstructive dental implant surgery.](#) - group of 2 »

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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L17	3	15 and ((radiation irradiat\$3 e\$1beam (electron adj beam) gamma) same cross\$1link\$3)	US-PGP UB; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/03/19 06:10
L16	8	15 and (radiation irradiat\$3 e\$1beam (electron adj beam) gamma)	US-PGP UB; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/03/19 06:09
L15	14	14 and (pore porous)	US-PGP UB; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/03/19 06:09
L14	14	11 and (hydrophilic near3 polymer)	US-PGP UB; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/03/19 06:09

WPF  
03/19/2007

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L13	23	12 and polymer	US-PGP UB; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/03/19 06:08
L12	27	11 and hydrophilic	US-PGP UB; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/03/19 06:08
L11	33	10 and (hydrogel hydrophilic water\$1swell\$4)	US-PGP UB; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/03/19 06:08
L10	81	(blood near3 barrier) same syringe	US-PGP UB; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/03/19 06:07

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L9	6	8 not 3	US-PGP UB; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/03/19 06:07
L8	6	7 and (cross\$1link\$4 near3 (ultra\$1violet "uv" irradiat\$4 e\$1beam electron\$1beam gamma))	US-PGP UB; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/03/19 06:05
L7	103	6 and (porous near3 (plug membrane filter))	US-PGP UB; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/03/19 06:03
L6	1275	(water\$1swell\$4 with (hydrogel (hydrophilic near3 polymer)))	US-PGP UB; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/03/19 06:02

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L5	76	4 not 3.	US-PGP UB; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/03/19 06:02
L3	4	((porous with (substrate plug filter)) same (hydrophilic near3 polymer) same (radiat\$4 irradiat\$4)) and (seal\$3 air\$1tight water\$1tight)	US-PGP UB; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/03/19 06:00
L4	80	((porous with (substrate plug filter))) and ((hydrophilic near3 polymer) same (radiat\$4 irradiat\$4)) and (seal\$3 air\$1tight water\$1tight)	US-PGP UB; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/03/19 05:58
L2	0	(porous with (substrate plug filter)) same (hydrophilic near3 polymer) same (radiat\$4 irradiat\$4) same (seal\$3 air\$1tight water\$1tight)	US-PGP UB; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/03/19 05:58
L1	1	("4743258").PN.	USPAT	OR	OFF	2007/03/19 05:56
S1	2	((("6406671") or ("6551267")).PN.	USPAT	OR	OFF	2007/03/19 05:38